

Claims

1. A method for measurement of silanol group concentration in silicon compound by infrared spectrophotometry, which comprises:

5 conducting, prior to filling of a silicon compound in a cell, at least twice each of a step of keeping the cell inside at 20 Pa or lower and a step of keeping the cell inside at 0.2 to 1 MPa,

10 then, introducing the silicon compound into the cell and measuring the infrared absorption spectrum thereof, to measure the concentration of the silanol group in the silicon compound.

2. A cell used for measurement of infrared absorption spectrum, which can withstand a reduced pressure
15 of 20 Pa or lower and a pressure of 0.2 to 1 MPa.

3. A cell used for measurement of infrared absorption spectrum according to Claim 2, which is constituted by a trunk made of stainless steel or Hastelloy and infrared-transmitting window panels and has an optical
20 path length of 5 to 40 mm, wherein each window panel has a thickness of 2 to 8 mm.

4. A cell used for measurement of infrared absorption spectrum, capable of withstanding an applied pressure of 3 MPa or lower, which is constituted by a trunk
25 made of stainless steel or Hastelloy and infrared-transmitting window panels made of quartz or sapphire and has an optical path length of 5 to 40 mm, wherein each window

panel has a thickness of 2 to 8 mm.

a cell used for measurement of infrared absorption spectrum, which can withstand a reduced pressure of 20 Pa or lower and a pressure of 0.2 to 1 MPa.